

ABSTRACT

A real-time transport protocol (RTP) describes a payload format for transporting IEC 61883-1 CIP compliant IEEE 1394-2000 isochronous transport data. The transport data includes a stream format, such as DV (Digital Video), AM824 (Audio/Music data format with an 8-bit header and 24 bits of audio), or MPEG, that has been packetized for isochronous transport by a source. The payload format is opaque to the transport mechanism. The isochronous transport clock is derived from the IEEE 1394-2000 cycle timer clock. The RTP is used to transport IEEE 1394-2000, IEC 61883 compliant data streams between IEEE 1394-2000 buses using IP (Internet Protocol), specifically, Ethernet/IP. Alternatively, other IP formats are used.